



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/770,912	02/03/2004	Gaurav Aggarwal	14101US03	1702

23446 7590 11/13/2006

MCANDREWS HELD & MALLOY, LTD
500 WEST MADISON STREET
SUITE 3400
CHICAGO, IL 60661

EXAMINER

RAO, ANAND SHASHIKANT

ART UNIT PAPER NUMBER

2621

DATE MAILED: 11/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/770,912

Applicant(s)

AGGARWAL ET AL.

Examiner

Andy S. Rao

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed on 8/31/06 with respect to claims 1-6 (amended) have been fully considered but they are not persuasive.
2. The Applicant presents one argument contending the Examiner's rejection of previous pending claims 1-6 under 35 U.S.C. 102(e) as being anticipated by Chen et al., (hereinafter referred to as "Chen"), as set forth in the Office Action of 8/31/06, said argument being put forth to assert the patentability of the amended claims 1-6. However, after a careful consideration of the argument, the Examiner must respectfully disagree and maintain the applicability of the Chen reference as the grounds of rejection against the amended claims.
3. After summarizing the Chen reference as applied (Amendment of 8/31/06: page 4, lines 1-16 and 30-36; page 5, lines 9-17), the Applicant's argue that Chen fails to address the "in reverse from play order..." limitation as in the amended claims (Amendment of 8/31/06: page 4, lines 17-29; page 1-9), as in the claims. The Examiner respectfully disagrees. While "...reverse from decode order..." is different from the "...reverse from play order..." as duly noted, the Examiner notes that Chen discloses not displaying frames after a channel change since those frames might contain artifacts (Chen: column 5, lines 30-50), the playing order of the frames after a channel change are output (played) in reverse order in order to avoid having the user wait for a clean frame (Chen: column 8, lines 1-20). Accordingly, the Examiner maintains that the limitation is met.

A detailed rejection follows.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

1. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Chen et al., (hereinafter referred to as “Chen”).

Chen discloses method for rewinding a group of pictures (Chen: figure 3), said method comprising: storing a first reference picture from the group of pictures (Chen: column 8, lines 1-5); decoding a first one or more pictures from the group of pictures (Chen: column 8, lines 5-10), displaying the first one or more pictures in reverse order (Chen: column 6, lines 15-21) from play order (Chen: column 5, lines 25-45); storing a second reference picture from the group of

Art Unit: 2621

pictures (Chen: column 6, lines 30-43); decoding a second one or more pictures from the group of pictures (Chen: column 7, lines 10-20); displaying the second one or more pictures in reverse order (Chen: column 6, lines 45-55) from play order (Chen: column 5, lines 25-45); storing a third reference picture from the group of pictures; decoding a third one or more pictures (Chen: column 10-15); and displaying the third one or more pictures in reverse order (Chen: column 6, lines 45-55) from play order (Chen: column 5, lines 25-45), as in claim 1

Regarding claim 2, Chen discloses wherein the group of pictures comprises a HITS stream (Chen: column 2, lines 35-42), as in the claim.

Regarding claim 3, Chen discloses wherein the group of pictures is 20 pictures (Chen: column 5, lines 10-30: Table I- It is noted that a group of 20 pictures falls between the disclosed refresh depths of 6 to 3), as in the claim.

Chen discloses a system for rewinding a group of pictures (Chen: figure 1), said system comprising: one or more image buffers (Chen: column 3, lines 25-40) for storing a first, second, and third reference pictures from the group of pictures (Chen: column 8, lines 1-10), a decompression engine for decoding a first, second, and third one or more pictures from the group of pictures (Chen: column 3, lines 15-32), and a display engine for displaying the first, second, and third one or more pictures from the group of pictures in reverse order (Chen: column 3, lines 43-50) from play order (Chen: column 5, lines 25-45), as in claim 4.

Regarding claim 5, Chen discloses wherein the group of pictures comprises a HITS stream (Chen: column 2, lines 35-43), as in the claim

Art Unit: 2621

Regarding claim 6, Chen discloses wherein the group of pictures is 20 pictures (Chen: column 5, lines 10-30: Table I- It is noted that a group of 20 pictures falls between the disclosed refresh depths of 6 to 3), as in the claim.

Conclusion

2. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (571)-272-7337. The examiner can normally be reached on Monday-Friday 8 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571)-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Andy S. Rao
Primary Examiner
Art Unit 2621

asr
November 8, 2006


ANDY RAO
PRIMARY EXAMINER